

FLEXIBLE FABRIC FROM FIBROUS WEB AND DISCONTINUOUS DOMAIN
MATRIX

ABSTRACT OF THE DISCLOSURE

- A composite having a plurality of filaments arranged in a fibrous web that is held
5 together in a unitary structure by a domain matrix. The domain matrix comprises a
plurality of matrix islands that individually connect, or bond, at least two filaments, to
thereby hold the filaments in a unitary structure. Portions of the filament lengths
within the unitary structure are free of matrix islands, causing the domain matrix to be
discontinuous. The composite possesses a greater flexibility than coated structures.
10 The composite may be formed into cross-plyed structures. A method of making the
composite also is disclosed.

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